

Message Text

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PAGE 01 STATE 126041
ORIGIN NASA-02

INFO OCT-01 ARA-10 ISO-00 OES-07 DODE-00 PM-04 L-03
NSC-05 ERDA-07 SS-15 /054 R

DRAFTED BY NASA/I/BGGARNER:SS
APPROVED BY OES/APT/SA:RBEDDINGTON
NASA/ER/BTNOLAN
NASA/SU/LRGREENWOOD
NASA/AD/AMLOVELACE
NASA/I/WGBASTEDO
ARA/PAN:ENADEAU
ARA/AND:ASCFULLER
ARA/AND:JAALLITO

-----012030Z 027338 /65

P 011941Z JUN 77
FM SECSTATE WASHDC
TO AMEMBASSY PANAMA PRIORITY
AMEMBASSY LIMA PRIORITY

UNCLAS STATE 126041

E.O. 11652: N/A

TAGS: TSPA

SUBJECT: CLEARANCE REQUEST FOR NASA U-2 AIRCRAFT

REF: STATE 073413 OF MARCH 26, 1976

1. AS PART OF NASA'S ON-GOING STRATOSPHERIC SAMPLING PROGRAM NASA PLANS SERIES OF FLIGHTS WITH ITS U-2 AIRCRAFT FROM HOWARD AFB, CZ IN JULY - AUGUST TIME PERIOD.

2. DUE TO MECHANICAL DIFFICULTIES WITH AIRCRAFT LAST YEAR, MISSION (REFTEL) WAS NOT FLOWN. THIS IS REQUEST FOR REFLIGHT OF THAT MISSION WHICH WAS APPROVED BY UNCLASSIFIED

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ADDRESSEE HOST COUNTRIES.

3. THE NATURE AND EXTENT OF THE EARTH'S OZONE LAYER DEPENDS UPON MANY FACETS OF THE CHEMICAL, PHOTOLYTIC AND TRANSPORT BEHAVIOR OF THE STRATOSPHERE. IT IS THOUGHT THAT THE DOMINANT GEOGRAPHICAL LOCATION FOR THE TROPOSPHERIC-STRATOSPHERIC MIXING PROCESS OCCURS

IN THE EQUATORIAL REGIONS IN CONJUNCTION WITH THE UPPER BRANCH OF THE TROPICAL HADLEY CELL WHICH IS CENTERED IN THE INTERTROPICAL CONVERGENCE ZONE (ITCZ). PUR-

POSE OF THESE FLIGHTS TO MEASURE TRACE CONSTITUENTS IN ORDER TO BETTER UNDERSTAND THE MECHANISMS FOR TRACE SUBSTANCE TRANSPORT IN THE ITCZ. THE STUDY WILL BE CARRIED OUT BY PERFORMING CONTINUOUS SET OF MEASUREMENTS OF 16 DAYS DURATION OF ATMOSPHERIC DYNAMIC MOTIONS AND TRACE SPECIES CONCENTRATIONS IN THE CONVECTIVELY ACTIVE ITCZ.

4. INSTRUMENTATION FOR STUDIES INCLUDE WATER VAPOR RADIOMETER, INFRARED SPECTROMETER TO INVESTIGATE MINOR ATMOSPHERIC CONSTITUENTS AND THEIR CONCENTRATIONS, STRATOSPHERIC IN-SITU GAS SAMPLER, STRATOSPHERIC CRYOGENIC SAMPLER TO MEASURE HALOCARBONS, AND AEROSOL PARTICULATE SAMPLER FOR THE COLLECTION OF PARTICULATES IN THE 1 TO 10 MICRON SIZE RANGE. NO REPEAT NO DOWNWARD-LOOKING INSTRUMENTATION WILL BE ABOARD AIRCRAFT.

5. FOLLOWING IS PROPOSED ITINERARY:

A. AIRCRAFT WILL DEPART WALLOPS ISLAND, VIRGINIA ON OR ABOUT JULY 13 TO HOWARD AFB, CZ. FLIGHT WILL CROSS FLORIDA/N. ORLEANS THEN REMAIN OVER INTERNATIONAL WATERS TO PANAMA. RETURN FLIGHT TO U.S. WILL REVERSE THIS COURSE.

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B. ON OR ABOUT JULY 14, AIRCRAFT WILL FLY SOUTH OVER ECUADOR AND PERU TO POINT IDENTIFIED AS 08 DEGREES 00 MINUTES SOUTH, 70 DEGREES 45 MINUTES WEST. SOUTH BOUND ENTRY POINT FOR ECUADOR IS 00 DEGREES 55 MINUTES NORTH, 79 DEGREES 45 MINUTES WEST: THE SOUTHBOUND DEPARTURE POINT IS 04 DEGREES 30 MINUTES SOUTH, 79 DEGREES 50 MINUTES WEST. THE ENTRY AND DEPARTURE POINT FOR PERU IS 04 DEGREES 30 MINUTES SOUTH, 79 DEGREES 50 MINUTES WEST. NORTHBOUND ENTRY AND DEPARTURE POINTS OF ECUADOR ARE THE REVERSE OF THE ABOVE. SOUTHBOUND ALTITUDES WILL BE FL 600 (60,000 FEET) AND NORTHBOUND FL 700 (70,000 FEET).

C. DAILY FLIGHT PLANNED OVER REPUBLIC OF PANAMA FROM 15 JULY THROUGH 12 AUGUST. ALL WILL BE MULTI-LEVEL STRATOSPHERIC DATA ACQUISITION STARTING AT FL 500 (50,000 FEET) UP TO FL 700 (70,000 FEET).

D. AIRCRAFT WILL RETURN TO U.S. ON OR ABOUT 13

AUGUST.

6. AIRCRAFT IS USAF-OWNED U-2 NASA MAINTAINED AND OPERATED WITH NASA MARKINGS. CALL SIGN NASA 709 (PRIMARY) OR 708 (SECONDARY) AS APPROPRIATE.

7. AIRCRAFT OPERATED BY SINGLE PILOT WILL BE ONE OF THE FOLLOWING, JAMES A. BARNES, JR., RONALD R. WILLIAMS, ROBERT J. ERICSON, MARTIN A. KNUTSON (ALL U.S. CITIZENS) OR IVOR B. WEBSTER (U.K. CITIZEN).

8. DATA CAN BE MADE AVAILABLE TO HOST GOVERNMENTS IF REQUIRED. -

9. PLEASE SECURE NECESSARY CLEARANCE PLUS OR MINUS ONE WEEK AND ADVISE. PLEASE COPY NASA HEADQUARTERS AND NASA AMES RESEARCH CENTER, MOFFETT FIELD, CA AS INFO UNCLASSIFIED

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ADDRESSEES ON REPLIES.

10. FYI: NOTE COSTA RICA FLIGHT NOT INCLUDED IN THIS YEAR'S MISSION. END FYI. CHRISTOPHER

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PAGE 01 STATE 126041
ORIGIN OES-03

INFO OCT-01 ARA-01 ISO-00 /005 R

66011
DRAFTED BY OES/APT/SA:RBEDDINGTON:VML
APPROVED BY OES/ APT/SA:RBEDDINGTON
ARA/AND:JALLITO(INFO)

-----072205Z 104142 /64

P 071729Z JUN 77
FM SECSTATE WASHDC
TO AMEMBASSY QUITO PRIORITY

UNCLAS STATE 126041

FOLLOWING REPEAT STATE 126041 ACTION PANAMA LIMA 01 JUN 77

QUOTE

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E.O. 11652: N/A

TAGS: TSPA

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UNQUOTE VANCE.

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: FLIGHT CLEARANCES
Control Number: n/a
Copy: SINGLE
Sent Date: 01-Jun-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
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Enclosure: n/a
Executive Order: N/A
Errors: N/A
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Office: ORIGIN NASA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 6
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Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 STATE 73413
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 12-Oct-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1999727
Secure: OPEN
Status: NATIVE
Subject: CLEARANCE REQUEST FOR NASA U-2 AIRCRAFT
TAGS: TSPA, OCLR, US, PN, NASA
To: PANAMA LIMA
Type: TE
vdkgvwkey: odbcr://SAS/SAS.dbo.SAS_Docs/5ddc0773-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
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